

INFORMATION FOR TECHNICAL REVIEW – CONCRETE BATCH PLANTS

Guidance for Permit Applicants

The following information will be used for the technical review of a Permit to Install application for a **concrete batch plant**. This information is in addition to the general requirements outlined in the AQD document “Information for an Administratively Complete Permit to Install Application,” Part 2 - Additional Supporting Information, Items A through F. Please note that all the information may not be needed for each application, nor is this document necessarily all inclusive. Additional information beyond what is identified in this guidance may be necessary to complete the technical review of any individual application. In the event a determination is made that new additional information is needed for all technical reviews, this document will be updated.

All referenced guidance documents are available on the Air Quality Division (AQD) website at [AQD Permits to Install / New Source Review](#) or you may contact the Permit Section at 517-284-6795.

NOTE: A concrete batch plant with production rates up to 200,000 cubic yards per year may be exempt from the requirements to obtain a Permit to Install pursuant to Rule 289(2)(d) of the State of Michigan, Department of Environmental Quality, Act 451 of 1994, Natural Resources and Environmental Protection Act and Air Pollution Control Rules. Please review these rules and contact the appropriate district office with any questions.

A. Process Description

Provide the following information:

1. A complete description of the process and copies of all plans and specifications, including air pollution control equipment and methods/work practices used to reduce emissions (i.e., enclosures, buildings, fabric filter dust collectors.).
2. Make, model number, and type of concrete plant.
3. The company identification numbers for each major piece of equipment (mixer, weigh batcher, baghouse collector(s), pigs, material bins and cement silos). The identification numbers should be prominently painted on each piece of equipment.
4. Plant capacity in tons of concrete produced per hour.

B. Regulatory Discussion

The following state air pollution control regulations may be applicable. Please review these regulations carefully to determine if they apply to your process and summarize the results in the application. The [Air Pollution Control Rules](#) may be viewed from the [AQD website](#). Click on “State Air Laws and Rules.”

1. State of Michigan, Department of Environment, Great Lakes, and Energy, Act 451 of 1994, Natural Resources and Environmental Protection Act, Part 55 Air Pollution Control and the following promulgated rules:
 - a) Rule 301 specifies a process or process equipment shall not discharge visible emissions of a density greater than the most stringent of a 6-minute average of 20% opacity, or a limit specified as a condition of a Permit to Install.
 - b) Rule 331 specifies a maximum allowable particulate emission rate for material handling equipment if no federal limit applies.

- c) Rule 901 prohibits emissions of an air contaminant in quantities that cause either a) injurious effects to human health or safety, animal life, plant life of significant economic value, or property; or b) unreasonable interference with the comfortable enjoyment of life and property. Please submit the following to address this rule:

A description of the continuous fugitive dust control program used to control dust from the plant, roads, and yard during construction and operation of the facility.

C. Control Technology Analysis

Provide the make and model number of the baghouse collector, exhaust volume in actual cubic feet per minute, pressure differential, cloth area, and bag cleaning mechanism. Provide all the information requested on the information sheet for fabric filter collectors (available separately).

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